

## WHAT IS CLAIMED IS:

1. A mobile communication controller for controlling communication between a base station provided for radio communication and a mobile station located within an area covered by the base station, said mobile communication controller comprising:
  - a communication speed notifying section which notifies the base station and the mobile station of set information including a communication speed between the base station and the mobile station, and
  - a timing notifying section which notifies the base station and the mobile station of a timing for switching to the set state including said notified communication speed.
2. A base station for carrying out radio communication with a mobile station located in an area covered by the base station in accordance with information from a communication controller, said base station comprising:
  - a communication speed notified section which notified from the communication controller of set information including a communication speed for communication with the mobile station,
  - a timing notified section which notified from the communication controller of a timing for switching to the set state including said notified communication speed with the mobile station, and
  - a set-state switching section which switches to the set state including said notified communication speed at said notified timing.
3. A mobile station for carrying out radio communication with a base station serving an area in which the mobile station is located, in accordance with information from a communication controller, said mobile station comprising:
  - a communication speed notified section which notified from the communication controller of set information including a communication speed for communication with

the base station,

a timing notified section which notified from the communication controller of a timing for switching to the set state including said notified communication speed with the base station, and

a set-state switching section which switches to the set state including said notified communication speed at said notified timing.

4. A method of controlling communication between a base station provided for radio communication and a mobile station located within an area covered by the base station, comprising the steps of:

notifying the base station and the mobile station of set information including a communication speed between the base station and the mobile station

notifying the base station and the mobile station of a timing for switching to the set state including said notified communication speed, and

switching a state of the base station and the mobile station to the set state including said notified communication speed at said notified timing.